

208289US

IN THE UNITED STATES PATENT & TRADEMARK OFFICE#4A
4/12

IN RE APPLICATION OF:

PIERRE GANDEL ET AL

: ATTN: APPLICATION DIVISION

SERIAL NO: 09/831,364

:

FILED: MAY 15, 2001

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FOR: BIDIRECTIONAL ACTUATORS

PRELIMINARY AMENDMENTASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Prior to a first examination on the merits, please amend the above-identified application as follows:

IN THE CLAIMS

Please cancel Claims 1-16 without prejudice.

Please add new Claims 17-32 as follows:

B1
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17. (New) A bidirectional actuator comprising at least a stator structure excited by at least one electric coil, wherein a single movable magnet is placed in a primary air gap and the stator structure comprises at least one electric coil, and is composed of a first pair of stator poles defining between them a first secondary air gap, for displacement of the single movable magnet relative to a first degree of freedom, and of a second pair of stator poles defining